



Annual Direct Loan Conference



Session 43

SAIG (Title IV WAN) Connectivity



Introduction

- Intended audience: New and current users who use a PC to connect to SAIG
- Please fill out evaluation forms
- Introduction of presenters



Agenda

- Overview of SAIG (Title IV WAN)
- EDconn32 software
- Future Plans
- School Perspective



SAIG Enrollment

- Enroll by completing an SAIG Enrollment Document
 - Available on IFAP web page
 - 2000-2001 Action Letter #5
- Changes may be made online
 - <https://SFAWebEnroll.ed.gov/>



Enrollment (cont.)

- What does enrollment include?
 - Sets up a mailbox on SAIG
 - Each mailbox has a DPA
 - Users must attach services to the mailbox



EDconn32 Software

- Software to connect to SAIG
- Used for Sending/Receiving data to and from various application systems
- Connect to query menus
 - Primarily CPS Query
 - NSLDS Queries are now online



Installing EDconn32

- Software available online
 - Go to <http://www.SFAdownload.ed.gov>
- Download the install program, then run the file “edcon410.exe” on each PC to install EDconn32



Installation Options

- **Install to local hard drive**
 - Use default, or designate a directory
- **Network/workstation install**
 - Only EDconn32 database is on network
 - Program components on workstation



Start at SFAdownload

U.S. Department of Education - Netscape

File Edit View Go Communicator Help

Back Forward Reload Home Search Netscape Print Security Stop

Bookmarks Location: <http://sfadownload.ed.gov/softedconnect.htm> What's Related

Members WebMail Connections BizJournal SmartUpdate Mktplace

Software

[References & Documentation](#)

[Mainframe Guide](#)

[Enrollment](#)

[Download Utilities](#)

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[Help](#)

[Click here to download a free Adobe or Word viewer.](#)

[Click here for general help instructions on downloading files.](#)

Full 4.1.0 Documentation		Date Posted	File Size	Download Time
Install Guide				
	Adobe Format	01/10/2001	187 KB	34 sec.@56kbps
	Word Format	01/10/2001	260 KB	46 sec.@56kbps
Desk Reference				
	Adobe Format	11/21/2000	152 KB	27 sec.@56kbps
	Word Format	11/21/2000	304 KB	54 sec.@56kbps
Cover Letter				
	Adobe Format	01/10/2001	14 KB	3 sec.@56kbps
	Word Format	01/10/2001	27 KB	5 sec.@56kbps
Message Class File Instructions				
	Word Format	10/19/2000	20 KB	4 sec.@56kbps
Message Class File				
	Table	02/13/2001	63 KB	11 sec.@56kbps

Software

[Full Download](#) for Win95/98/NT/2000

Click this link to download the program that allows you to do an upgrade or full installation.

	Date Posted	File Size	Download Time
Disk 1 Click this link to download only Disk 1. Disk 1 is a self-extracting zip file. After downloading, self-extract the files onto your hard drive, then copy the extracted files onto a floppy disk and label it Disk 1.	01/10/2001	1.09 MB	3 min.@56kbps
Disk 2 Click this link to download only Disk 2.	01/10/2001	1.37 MB	4 min.@56kbps
Disk 3 Click this link to download only Disk 3.	01/10/2001	1.37 MB	4 min.@56kbps
Disk 4 Click this link to download only Disk 4.	01/10/2001	1.37 MB	4 min.@56kbps
Disk 5 Click this link to download only Disk 5.	01/10/2001	1.37 MB	4 min.@56kbps
Disk 6 Click this link to download only Disk 6.	01/10/2001	1.31 MB	4 min.@56kbps

[Archive](#)

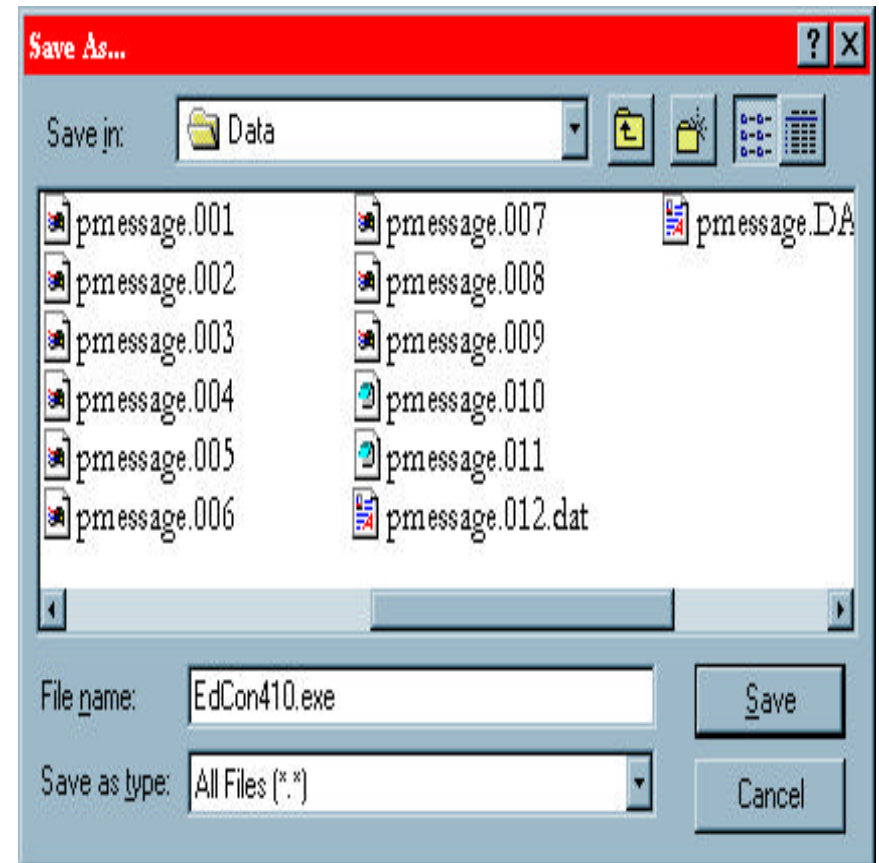
This page last modified on 02/13/2001

Document: Done



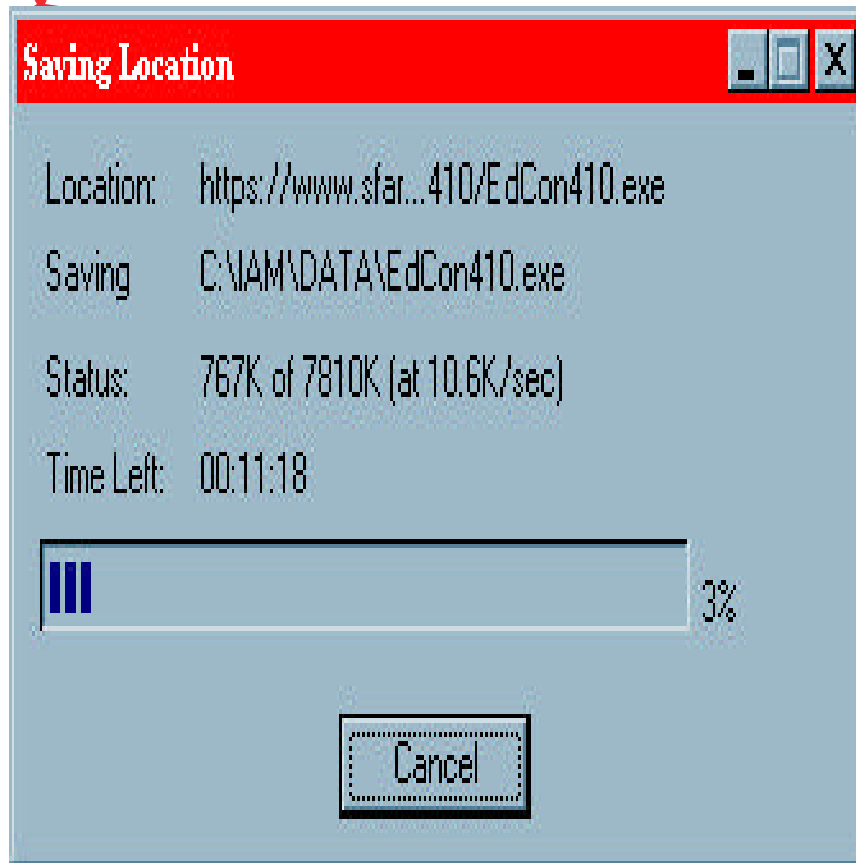
Download Program

- Easiest to use “Full Download” option
- Download the install program to any valid directory--network or local





Download, then run



- Download the install program (Edcon410.exe)
- Use any of standard Windows install options
 - Start|Run
 - Use Explorer
 - Use Add Programs



Establishing Connection (Current)

- EDconn32 employs Dial-Up Networking
 - Use DUN to make TCP/IP connection
- Operating Systems Vary
 - Windows 95 relies on DUN 1.2 or DUN 1.3
 - Windows 98 contains DUN
 - Windows NT uses Remote Access Service (RAS) with Service Pack 3 or higher
 - Windows 2000 uses RAS



Changes to Login

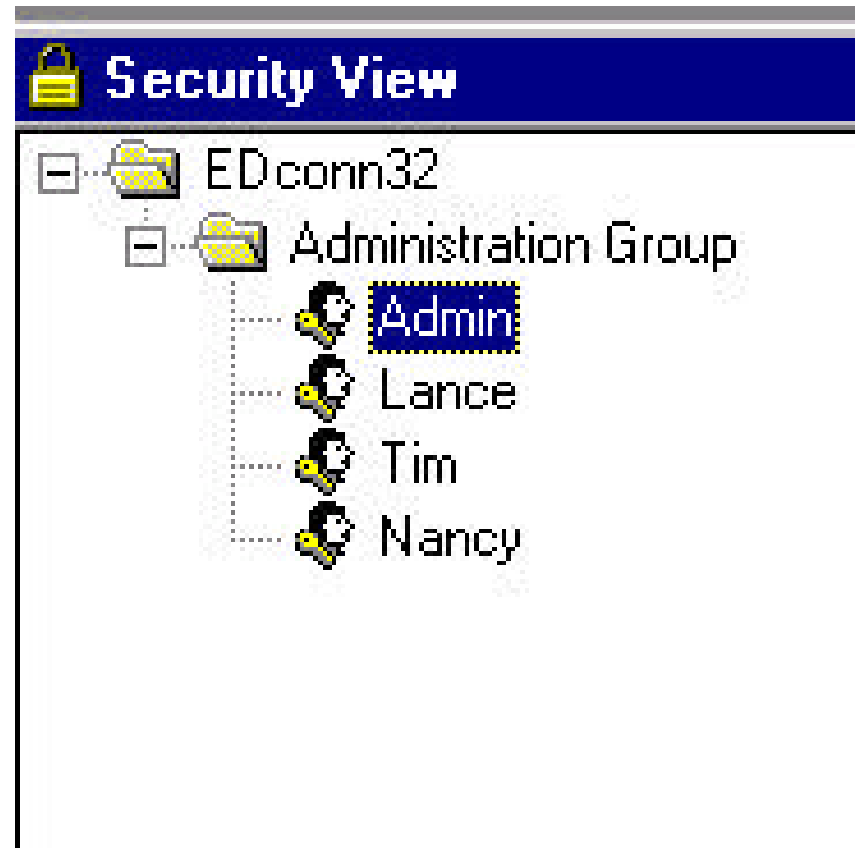
- Additional reference to Group ID
- Easier to distinguish among numerous Groups

The screenshot shows a standard Windows-style dialog box titled "Logon". It has a blue title bar with a question mark icon and a close button. The main area is light gray and contains three labeled input fields. The "User ID" field is a dropdown menu showing "Tim". The "Password" field is a standard text box. The "Group ID" field is a dropdown menu showing "Administration Group". At the bottom, there are three buttons: "OK", "Cancel", and "Help".



Security View & Passwords

- Stores network ID (TG number) and network password
- Contains User ID and Password information
- Passwords may be same, but entered separately





Group Password

- The “Administration Group” Folder
 - Default name may be changed
- Contains TG number and network password
- Expires every 120 days
- Expiration date displayed within Group Properties Window



Group Password Info

Group Properties

General | Access | Network

TG Number: TG55709

TG Password:

Expiration: **January 29, 2001**

New:

Verify:

Change Type: ☒ Network and Local ☐ Local Only

IP Address Information:

Network: ☐ Internet ☒ Intranet

Local Firewall: Port:

Student Aid Internet Gateway: Port:

Authentication Server: Port:

3270 Sever: Port:

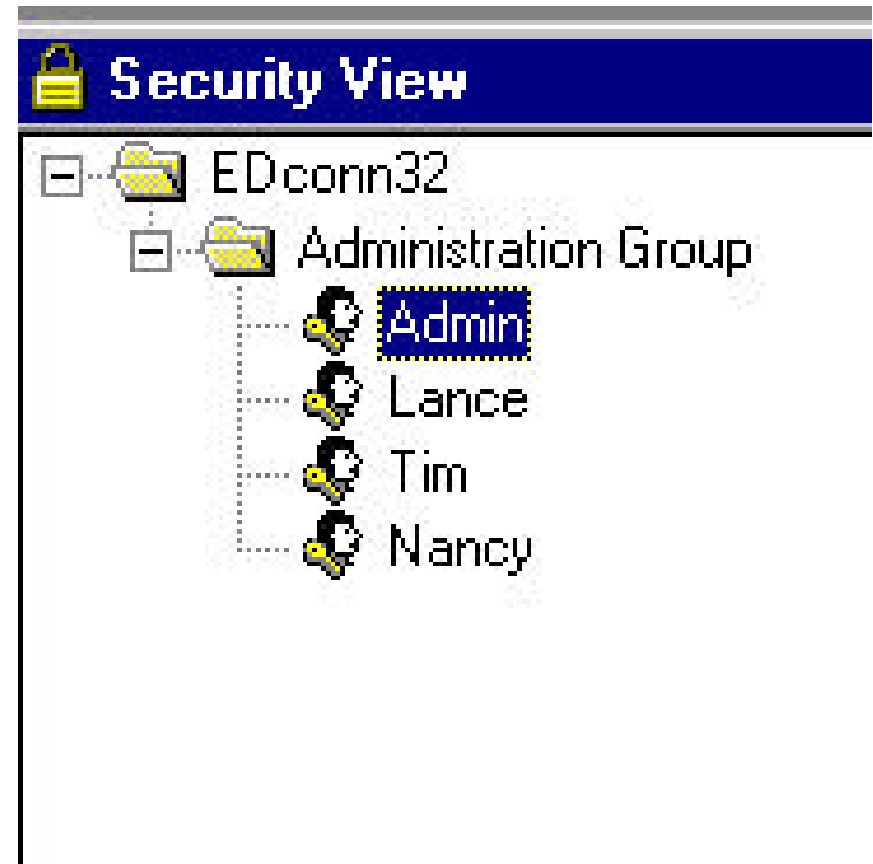
Debug Tracing: ☐ On ☒ Off

OK Cancel Apply Help



Security View--Users

- User ID's are set up under Group folder
- There may be one, or several
- Each user ID may have own password for software login





Password Warning

- Received when entering EDconn32
- Refers to User password
- May be synched with Group password





Password Expiration

Group Properties

General | Access | Network

Group Name: Administration

User Passwords

Expiration Period: 120

Warning Day Period: 7

OK Cancel Apply Help

User Properties

Identity | General | Directories | Colors | Printing

User ID: Tim

User Password

Expiration: January 31, 2000

New:

Verify:

Full Name

First Name: TIM

Middle Initial:

Last Name: RASK

OK Cancel Apply Help

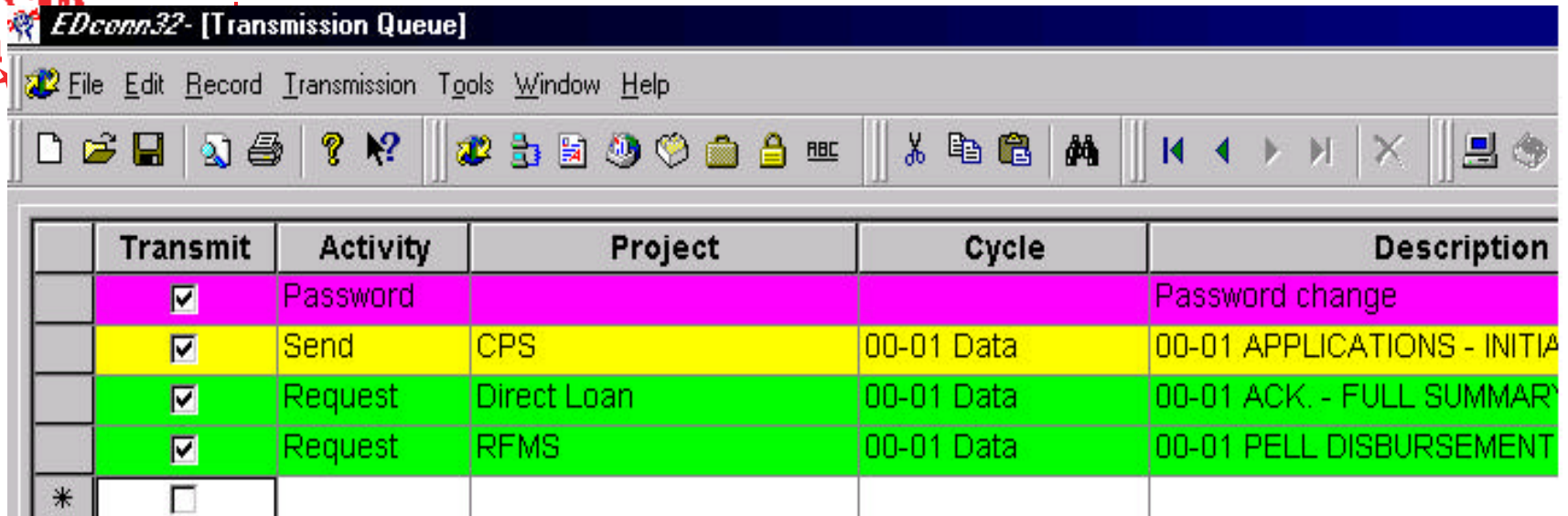


Data Transmissions

- Used EDconn32 to send and receive data for all application systems
- All sends or receive requests must be added to Transmission Queue before connecting
- Multiple requests and sends may be done with each connection



Transmission Queue



The screenshot shows the 'EDconn32- [Transmission Queue]' window. It has a menu bar with 'File', 'Edit', 'Record', 'Transmission', 'Tools', 'Window', and 'Help'. Below the menu is a toolbar with various icons for file operations, help, and navigation. The main area contains a table with the following data:

	Transmit	Activity	Project	Cycle	Description
	<input checked="" type="checkbox"/>	Password			Password change
	<input checked="" type="checkbox"/>	Send	CPS	00-01 Data	00-01 APPLICATIONS - INITIA
	<input checked="" type="checkbox"/>	Request	Direct Loan	00-01 Data	00-01 ACK. - FULL SUMMAR
	<input checked="" type="checkbox"/>	Request	RFMS	00-01 Data	00-01 PELL DISBURSEMENT
*	<input type="checkbox"/>				

- Multiple items in TQ
- Note: RFMS is its own Project now



Changes to TQ

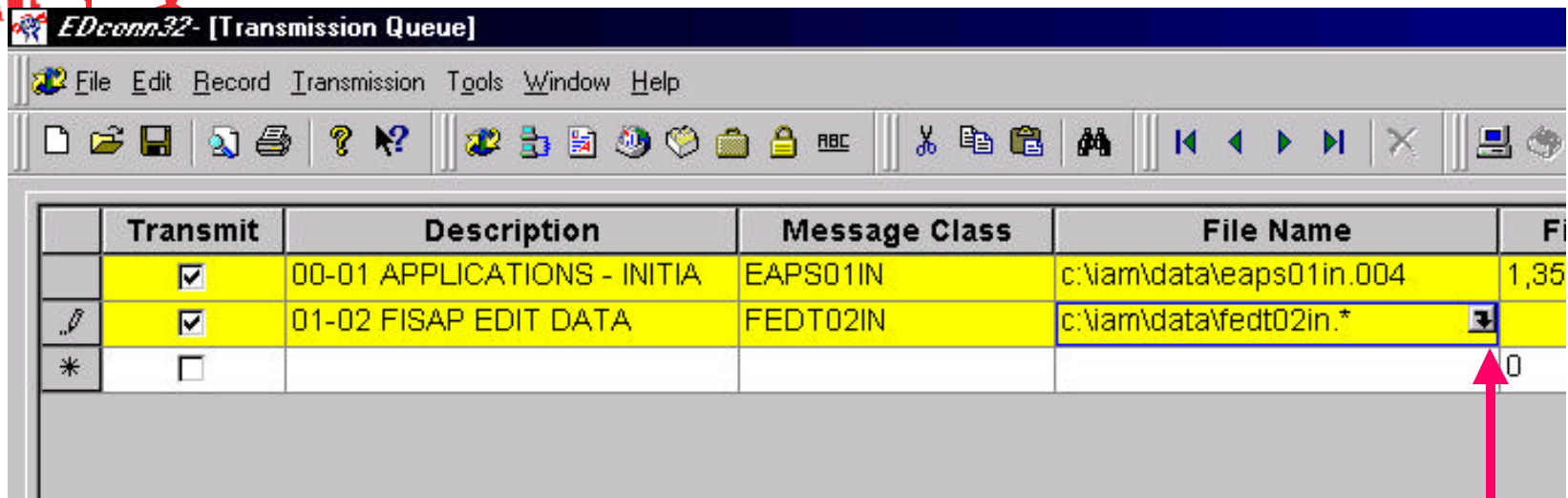
EDconn32- [Transmission Queue]

File Edit Record Transmission Tools Window Help



	Transmit	Activity	Project	Cycle	Description	
	<input checked="" type="checkbox"/>	Request	All	01-02 Data	All 01-02 Data	?
	<input checked="" type="checkbox"/>	Request	CPS	00-01 Data	All 00-01 Data	?
	<input checked="" type="checkbox"/>	Request	Direct Loan	99-00 Data	All 99-00 Data	?
*	<input type="checkbox"/>					

- You may now request all data for a given cycle

Sending from TQ



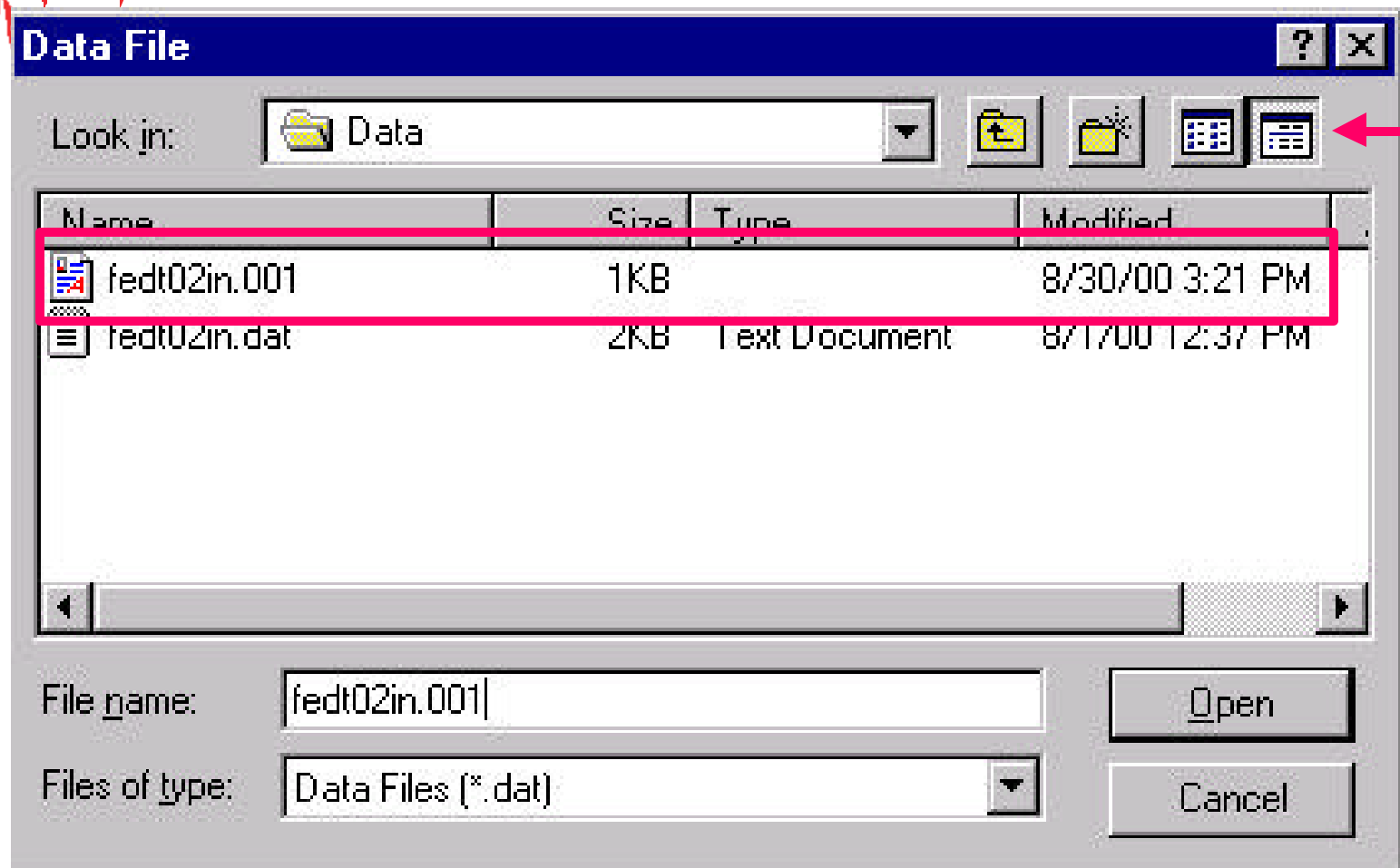
The image shows a screenshot of the 'EDconn32 - [Transmission Queue]' window. The window has a menu bar with 'File', 'Edit', 'Record', 'Transmission', 'Tools', 'Window', and 'Help'. Below the menu bar is a toolbar with various icons. The main area contains a table with the following data:

	Transmit	Description	Message Class	File Name	Fi
	<input checked="" type="checkbox"/>	00-01 APPLICATIONS - INITIA	EAPS01IN	c:\iam\data\eaps01in.004	1,35
	<input checked="" type="checkbox"/>	01-02 FISAP EDIT DATA	FEDT02IN	c:\iam\data\fedt02in.*	
*	<input type="checkbox"/>				0

A red arrow points to the asterisk in the 'Fi' column of the third row.

- Always include file name when sending
- An asterisk indicates TQ is not complete

TQ--Sending a File





Other ways to add items to the TQ

- Use “Drag and Drop” from Windows Explorer
- Enable the “Export to EDconnect” feature in your application software
- Create a batch import file
 - Useful only for extremely large TQ entries

Activity Log

EDconn32- [Activity Log]

File Edit Record Transmission Tools Window Help

Activity	Add Date	Project	Cycle	Message Class	
Receive	10/10/2000	CPS	00-01 Data	SARA01OP	00-01 ISIR D
Receive	10/10/2000	CPS	00-01 Data	SARR01OP	00-01 ISIR D
Receive	10/10/2000	Direct Loan	00-01 Data	DISF01OP	00-01 ACK. -
Receive	10/10/2000	Direct Loan	00-01 Data	DIOD01OP	00-01 ACK.-D
Transmit	10/10/2000				Start of Trans
Send	10/10/2000	CPS	00-01 Data	CORR01IN	00-01 CORRE
Send	10/10/2000	CPS	00-01 Data	EAPS01IN	00-01 APPLIC
Send	10/10/2000	RFMS	00-01 Data	PGOR01IN	00-01 PELL C
Send	10/10/2000	RFMS	00-01 Data	PGDR01IN	00-01 PELL D
Transmit	10/10/2000				Start of Trans
Error	10/10/2000				Transmission
Transmit	10/10/2000				Start of Trans
Request	10/10/2000	CPS	00-01 Data	????????	All 00-01 Dat
Receive	10/10/2000	CPS	00-01 Data	SARA01OP	00-01 ISIR D
Receive	10/10/2000	CPS	00-01 Data	SARE01OP	00-01 ERROR
Transmit	10/10/2000				Start of Trans
Request	10/10/2000	Direct Loan	All	????????	All Data, All
Receive	10/10/2000	Direct Loan	00-01 Data	DIOC01OP	00-01 ACK. -
Receive	10/10/2000	Direct Loan	00-01 Data	DIPF01OP	00-01 ACK. -
Request	10/10/2000	CPS	01-02 Data	REAP02OP	01-02 ISIR D
Receive	10/10/2000	CPS	01-02 Data		Message Class which this activity will use

Record 104

Transmission... Activity Log

For Help, press F1 Administration Group Tim c:\program files\edconn32\edconn32.mdb NUM



Activity Log Tools

- You may modify field positions and widths of columns
- Old entries may be deleted
- Activity Log may be archived to cut down on the size of the database



Archive View

- Allows you to retrieve “lost” files within 10 days
- Uses the same batch Item Number as the Activity Log to make it easier to locate missing files.



Archive View

	Move to TQ	Message Class	Item Number	Description	Add Date
	<input type="checkbox"/>	SARA01OP	003180158199631708	00-01 ISIR DATA - AUTOMATIC	10/10/200
	<input type="checkbox"/>	DI0C01OP	003180158202324760	00-01 ACK. - CHANGE ORIGINATION	10/10/200
	<input type="checkbox"/>	SARE01OP	003180158208197418	00-01 ERRORS-CORRECTIONS/DUPLICATES	10/10/200
	<input type="checkbox"/>	SSCRXXOP	003180158211286109	SSCR ROSTER	10/10/200
	<input type="checkbox"/>	DIPF01OP	003180158216975050	00-01 ACK. - FULL SUMMARY PLUS	10/10/200
	<input type="checkbox"/>	REAP02OP	003180158219747968	01-02 ISIR DATA-RENEWAL APPS	10/10/200
	<input type="checkbox"/>	SARA01OP	003180248689439459	00-01 ISIR DATA - AUTOMATIC	10/11/200
	<input type="checkbox"/>	EAPS01OP	003180248695730313	00-01 ISIR DATA - ELECTRONIC APPS	10/11/200
	<input type="checkbox"/>	SARR01OP	003180248700300621	00-01 ISIR DATA-CORRECT/DUPLICATES	10/11/200
	<input type="checkbox"/>	SARA01OP	003180332760065864	00-01 ISIR DATA - AUTOMATIC	10/12/200
	<input type="checkbox"/>	EAPS01OP	003180332763104813	00-01 ISIR DATA - ELECTRONIC APPS	10/12/200
	<input type="checkbox"/>	SARR01OP	003180332765509548	00-01 ISIR DATA-CORRECT/DUPLICATES	10/12/200
	<input type="checkbox"/>	DI0D01OP	003180332767918350	00-01 ACK.-DISBURSEMENT ORIGINATION	10/12/200
	<input type="checkbox"/>	DIPF01OP	003180332774064152	00-01 ACK. - FULL SUMMARY PLUS	10/12/200



Archive Item Number

Archive View				
	Move to TQ	Message Class	Item Number	
	<input type="checkbox"/>	SARA01OP	003180158199631708	00-01 ISI
	<input type="checkbox"/>	DI0C01OP	003180158202324760	00-01 AC
	<input type="checkbox"/>	SARE01OP	003180158208197418	00-01 EF
	<input type="checkbox"/>	SSCRXXOP	003180158211286109	SSCR R
	<input type="checkbox"/>	DIPF01OP	003180158216975050	00-01 AC
	<input type="checkbox"/>	REAP02OP	003180158219747968	01-02 ISI
	<input type="checkbox"/>	SARA01OP	003180248689439459	00-01 ISI
	<input type="checkbox"/>	EAPS01OP	003180248685736313	00-01 ISI
	<input type="checkbox"/>	SARR01OP	003180248700300621	00-01 ISI
	<input type="checkbox"/>	SARA01OP	003180332760065864	00-01 ISI
	<input type="checkbox"/>	EAPS01OP	003180332763104813	00-01 ISI

Record 24



Activity Log Item Number

Activity Log					
	Cycle	Message Clas	Description	File Name	Item Number
	00-01 Data	DIPF01OP	00-01 ACK. - FULL SUMMARY PLUS	c:\iam\data\dipf01op.001	003180158216975050
	01-02 Data	REAP02OP	01-02 ISIR DATA-RENEWAL APPS	c:\iam\data\reap02op.*	
	01-02 Data	REAP02OP	01-02 ISIR DATA-RENEWAL APPS	c:\iam\data\reap02op.dat	003180158219747968
	00-01 Data	EAPS01IN	00-01 APPLICATIONS - INITIAL	c:\iam\data\leaps01in.004	
		MESSAGTB	MESSAGE TABLE DISTRIBUTION	c:\iam\data\messagtb.dat	003180192513576547
		MESSAGTB	MESSAGE TABLE DISTRIBUTION	c:\iam\data\messagtb.022	003180192513576547
			Start of Transmission		
	All	????????	All Data, All Messages	c:\iam\data\?????????.dat	
▶	00-01 Data	SARA01OP	00-01 ISIR DATA - AUTOMATIC	c:\iam\data\sara01op.039	003180248689439459
	00-01 Data	EAPS01OP	00-01 ISIR DATA - ELECTRONIC APPS	c:\iam\data\leaps01op.011	003180248689439459
	00-01 Data	SARR01OP	00-01 ISIR DATA-CORRECT/DUPLICATE	c:\iam\data\sarr01op.020	003180248700300621
		SSCRXXOP	SSCR ROSTER	c:\inslds\files\sscrxxop.dat	003180158211286109
			Start of Transmission		

- Item number same as Archive (and Mailbox Query)



Origination Date Displayed

Archive View					
	Move to TQ	Message Class	Item Number	Add Date	D
	<input type="checkbox"/>	SARA01OP	003180158199631708	10/10/2000	00-01 ISIR DATA - AUTOM
	<input type="checkbox"/>	DIOC01OP	003180158202324760	10/10/2000	00-01 ACK. - CHANGE OI
	<input type="checkbox"/>	SARE01OP	003180158208197418	10/10/2000	00-01 ERRORS-CORRE
	<input type="checkbox"/>	SSCRXXOP	003180158211286109	10/10/2000	SSCR ROSTER
▶	<input type="checkbox"/>	DIPF01OP	003180158216975050	10/10/2000	00-01 ACK. - FULL SUMM
	<input type="checkbox"/>	REAP02OP	003180158219747968	10/10/2000	01-02 ISIR DATA-RENEWA
	<input type="checkbox"/>	SARA01OP	003180248689439459	10/11/2000	00-01 ISIR DATA - AUTOM
	<input type="checkbox"/>	EAPS01OP	003180248695730313	10/11/2000	00-01 ISIR DATA - ELECT
	<input type="checkbox"/>	SARR01OP	003180248700300621	10/11/2000	00-01 ISIR DATA-CORRE
	<input type="checkbox"/>	SARA01OP	003180332760065864	10/12/2000	00-01 ISIR DATA - AUTOM
	<input type="checkbox"/>	EAPS01OP	003180332763104813	10/12/2000	00-01 ISIR DATA - ELECT
	<input type="checkbox"/>	SARR01OP	003180332765509548	10/12/2000	00-01 ISIR DATA-CORRE

- Add Date represents the date a given file was placed in your mailbox



Select Batch in Archive View

Archive View					
	Move to TQ	Message Class	Item Number	Add Date	D
	<input type="checkbox"/>	SARA01OP	003180158199631708	10/10/2000	00-01 ISIR DATA - AUTOI
	<input type="checkbox"/>	DIOC01OP	003180158202324760	10/10/2000	00-01 ACK. - CHANGE O
	<input type="checkbox"/>	SARE01OP	003180158208197418	10/10/2000	00-01 ERRORS-CORRE
	<input type="checkbox"/>	SSCRXXOP	003180158211286109	10/10/2000	SSCR ROSTER
	<input type="checkbox"/>	DIPF01OP	003180158216975050	10/10/2000	00-01 ACK. - FULL SUMM
	<input type="checkbox"/>	REAP02OP	003180158219747968	10/10/2000	01-02 ISIR DATA-RENEWA
▶	<input checked="" type="checkbox"/>	SARA01OP	003180248689439459	10/11/2000	00-01 ISIR DATA - AUTOI
	<input type="checkbox"/>	EAPS01OP	003180248695730313	10/11/2000	00-01 ISIR DATA - ELECT
	<input type="checkbox"/>	SARR01OP	003180248700300621	10/11/2000	00-01 ISIR DATA-CORRE



Combining Files

- Available in Message Class Manager
- Default is Off
- Enable within Message Class Manager View



Combining Files

EDconn32- [Message Class Manager]

File Edit Record Transmission Tools Window Help

	Message Class	User ID	Compressed	Binary	PMessage	Combine
	RAPR99OP	TG50002	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	REAP00OP	TG50002	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	REAP01OP	TG50002	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	REAP97OP	TG50002	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	REAP98OP	TG50002	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	REAP99OP	TG50002	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	SARA00OP	TG50002	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	SARA97OP	TG50002	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	SARA97TS	TG50002	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	SARA98OP	TG50002	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	SARA98TS	TG50002	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



General Database Tips

- The EDconn32 database is called “edconn32.mdb” and may be backed up
- Also look for “Edconn32.UPG”
 - Backup created by the software
- Database is Access 97 format
 - **Never** convert the database to Access 2000



Moving to the Internet

- Originally intended to use a Virtual Private Network (VPN) to connect users via the internet
- Pilot conducted in June 2000
- ED determined VPN was not a viable option



Internet Objectives

- Increase customer satisfaction by providing non-intrusive SFA solutions
- Reduce overall cost of delivering student aid
- Increase school's access to SFA databases within Privacy Act constraints and with appropriate security measures



Future Internet Plans

- Use of encryption technology
- A new version of EDconn32 to connect to internet
- Beta test users will be needed
- All users and application systems will use internet connection



Internet Solution

- Solution consists of one store and forward system
- Solution consists of three components
- Solution supports multiple platforms
- Supports secure TCP/IP-based FTP file transfers over Internet



How the Internet Solution Affects You

Benefit Analysis:

- Non-intrusive Internet solution (no hardware or software costs)
- Header/Trailer, Batch number supported
- Continue to use existing processes with minimal changes



Three Components

- **EasyAccess2000** - Client used by SFA end users and Title IV application systems to send / receive data.
- **KeyManager2000** - Administrative system to perform mailbox management and other administrative duties
- **SecurePortal2000** - Store and forward system which replaces Open*Net and Enterprise



References

■ SFATech List Serve

- <http://www.ed.gov/offices/OSFAP/sfatech/index.html>
- FAQ Page
 - Updated twice a month or more

■ Help text in EDconn32

- C:\Program Files\EDconn32\EDconn32.doc

■ Desk References



Further Assistance

We appreciate your feedback and comments!

Contact: Title IV WAN Customer Service

Phone: 1-800-615-1189

Email: T4WAN@NCS.COM



Questions & Discussion

